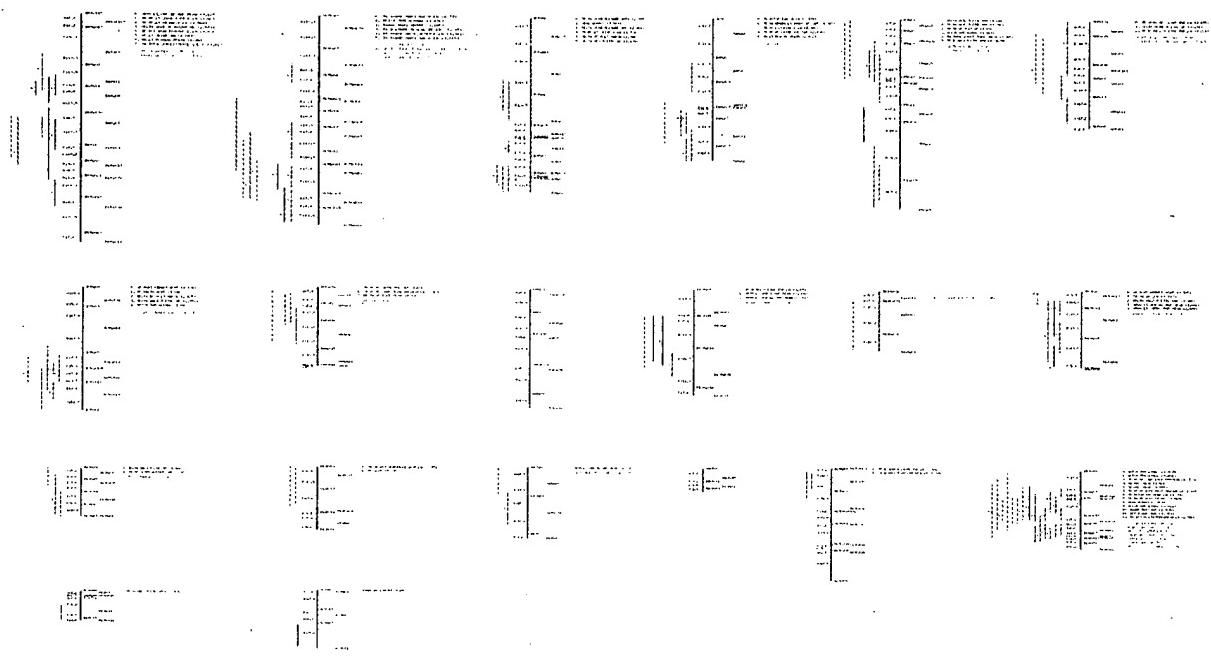


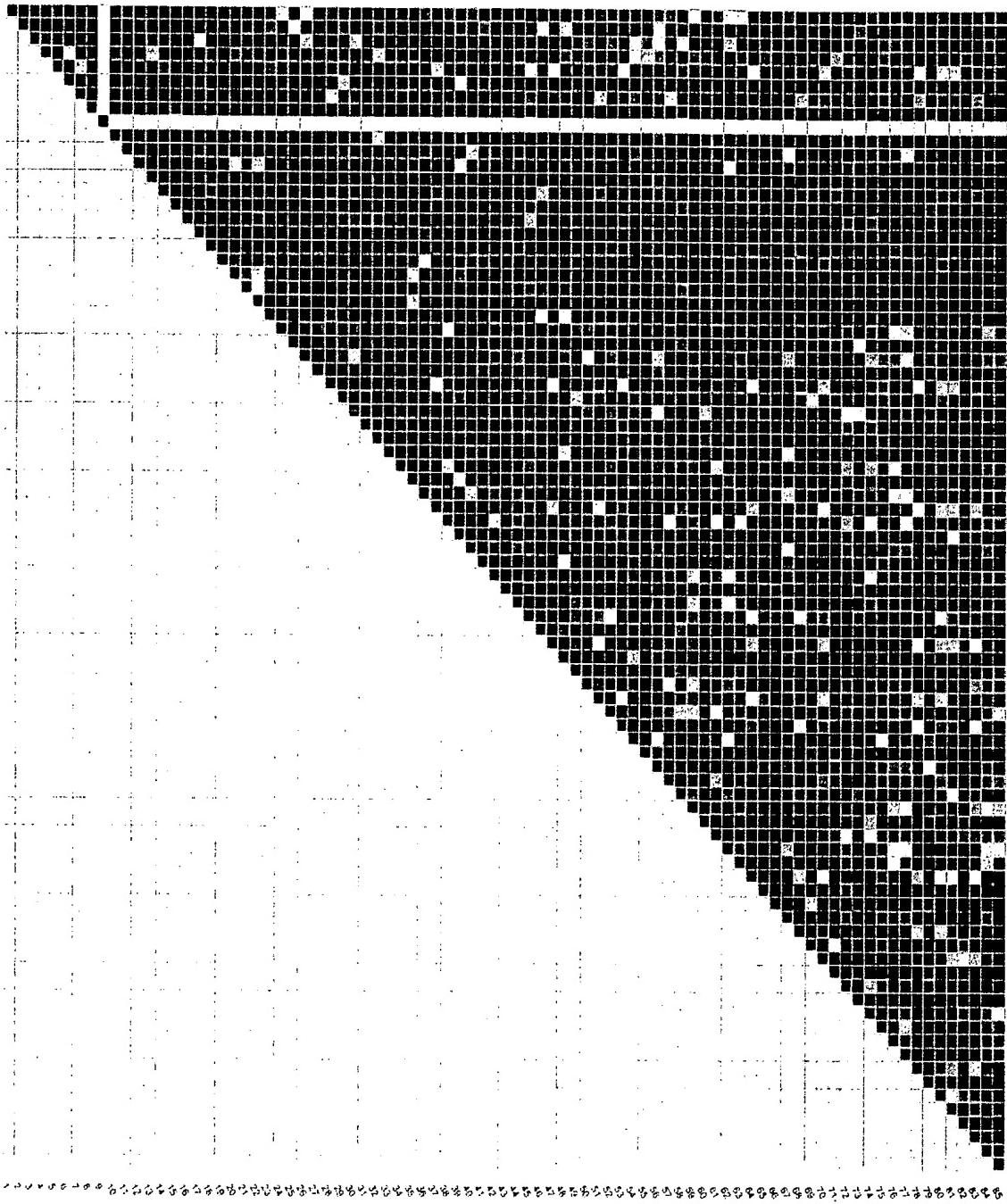
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Figure 1



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Figure 2: Colorization of a random correlation matrix for BN



NA

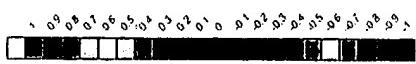


Figure 3: Functionally clustered physiological profile

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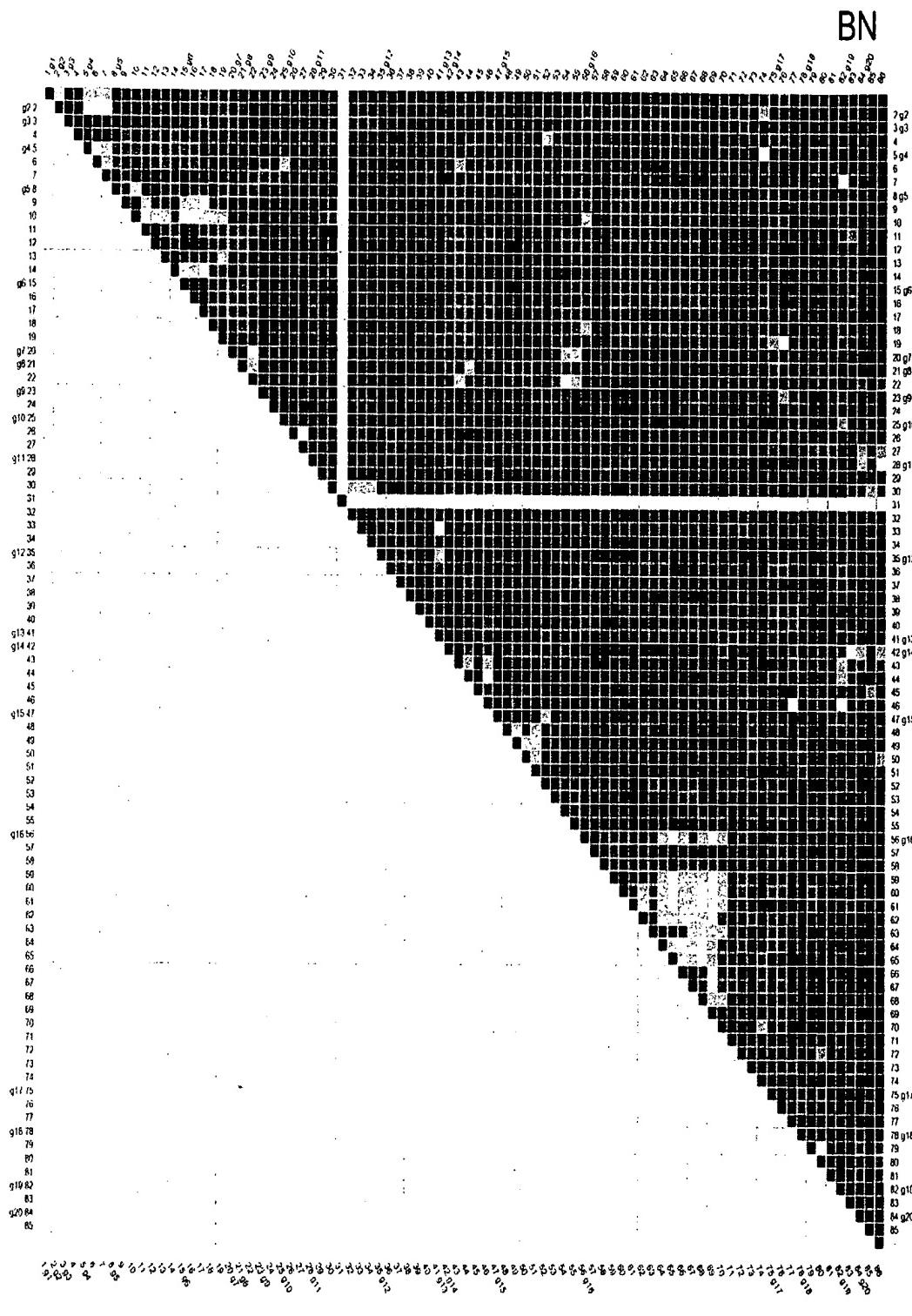


Figure 4: Composite matrices of two physiological profiles generated by functional clustering and algorithm-based clustering

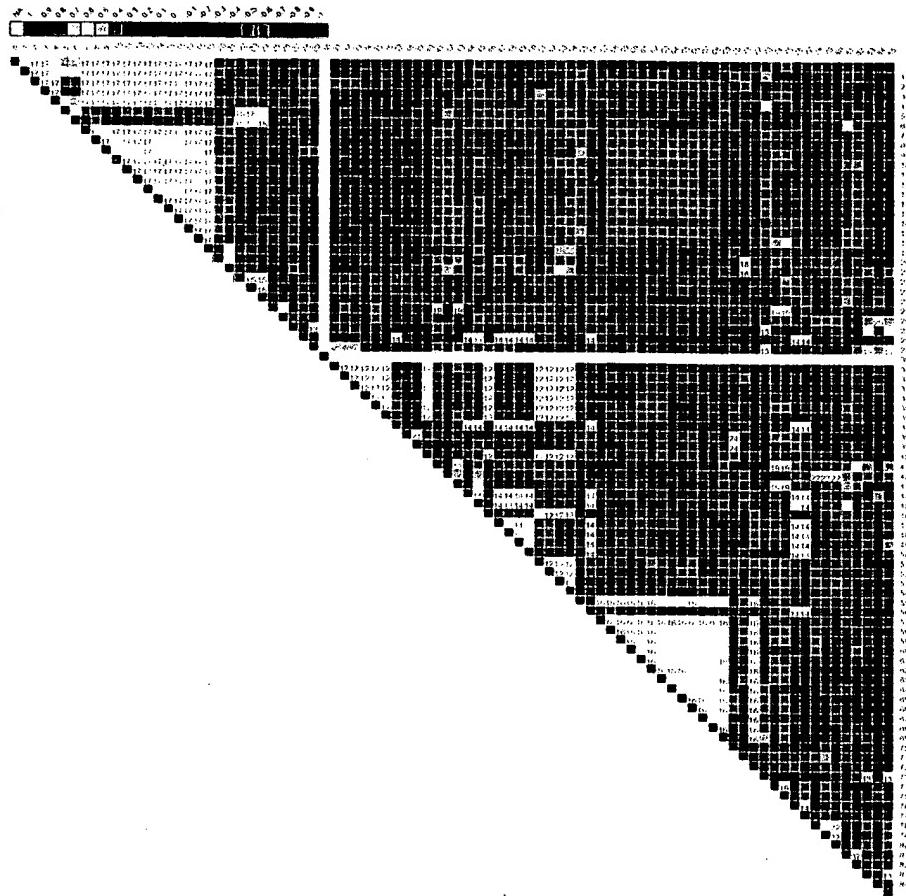


Figure 5: Physiological Profiling of autoregulation of blood flow in the SS and BN rat.

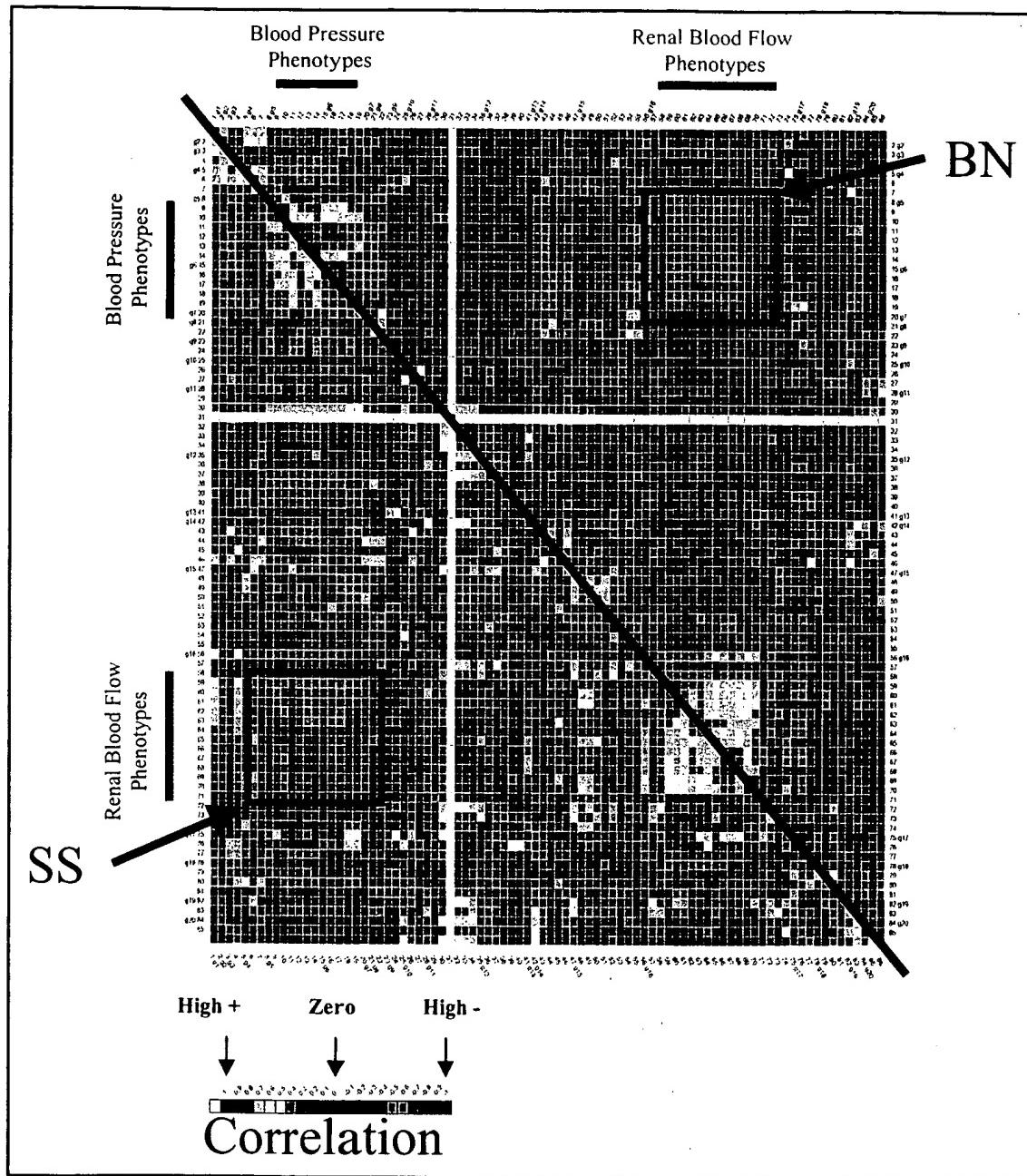


Figure 6: Composite profiles of parental BN and F2 progeny rats generated by overlaying functionally clustered correlation matrices with algorithm clustered correlation matrices

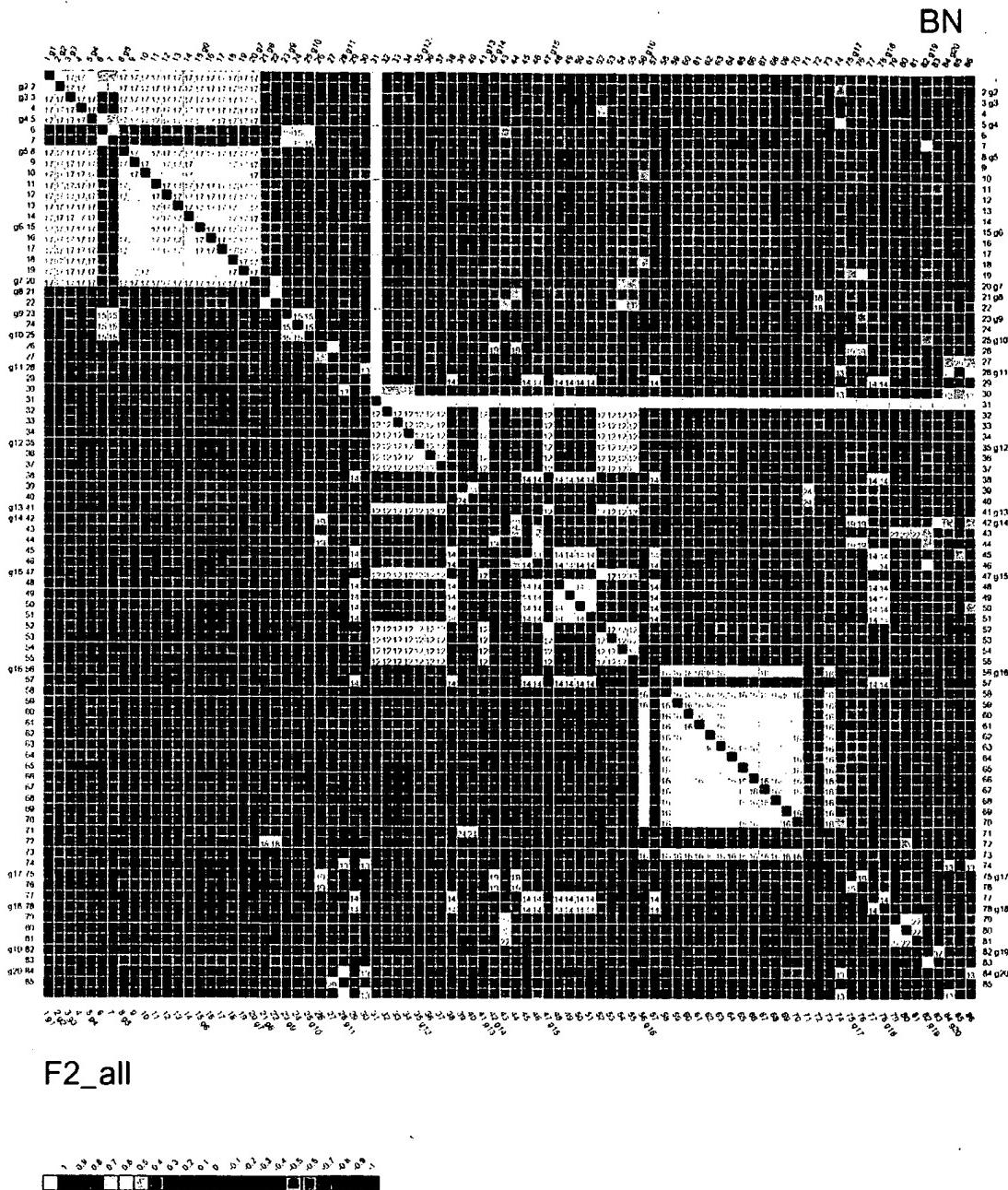


Figure 7A: Physiological profiles of the entire F2 population and the F2 progeny population that fall in the left 10 % of a distribution after a salt challenge

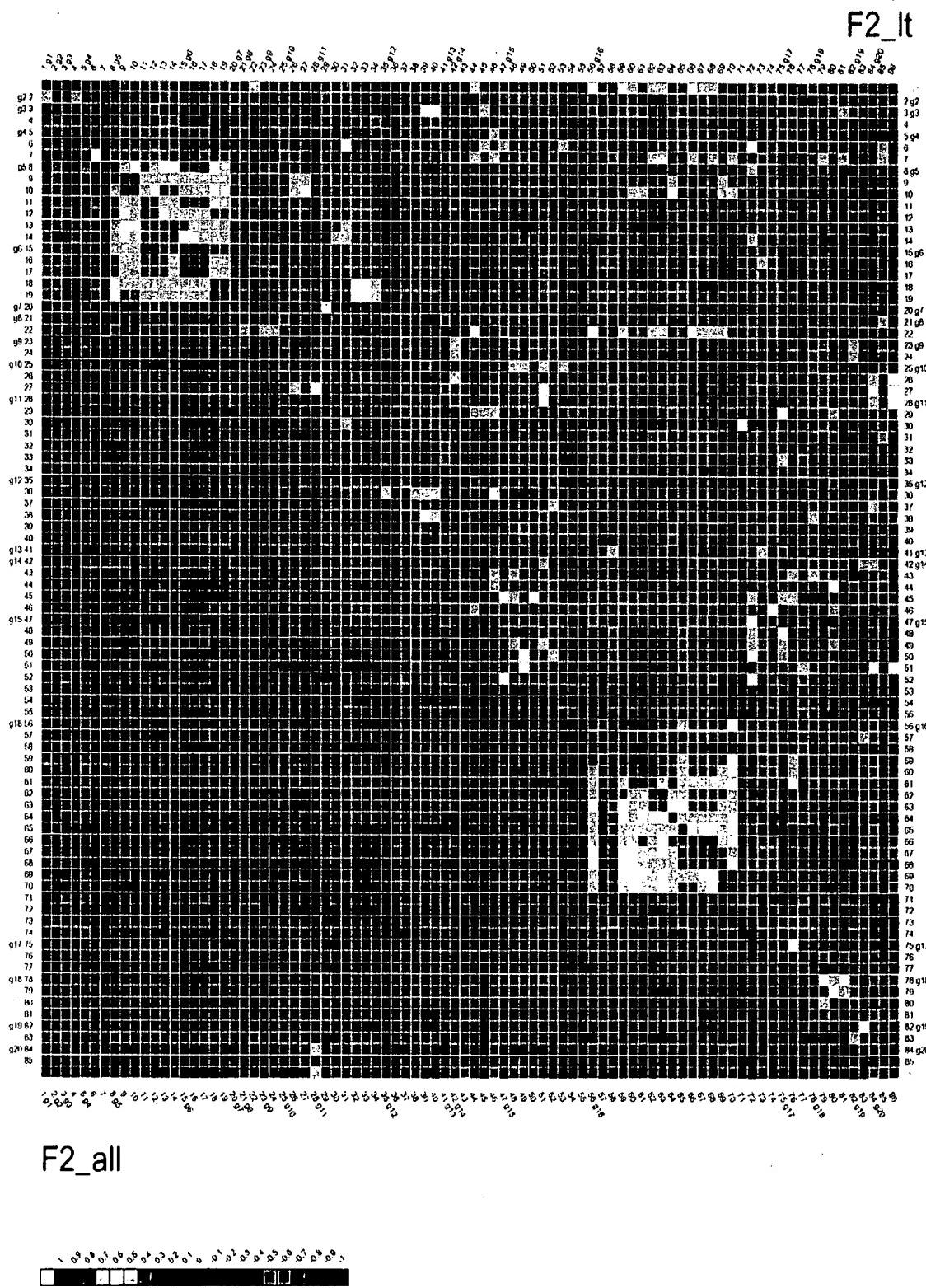


Figure 7B: Physiological profiles of the entire F2 population and the F2 progeny population that fall in the right 10 % of a distribution after a salt challenge

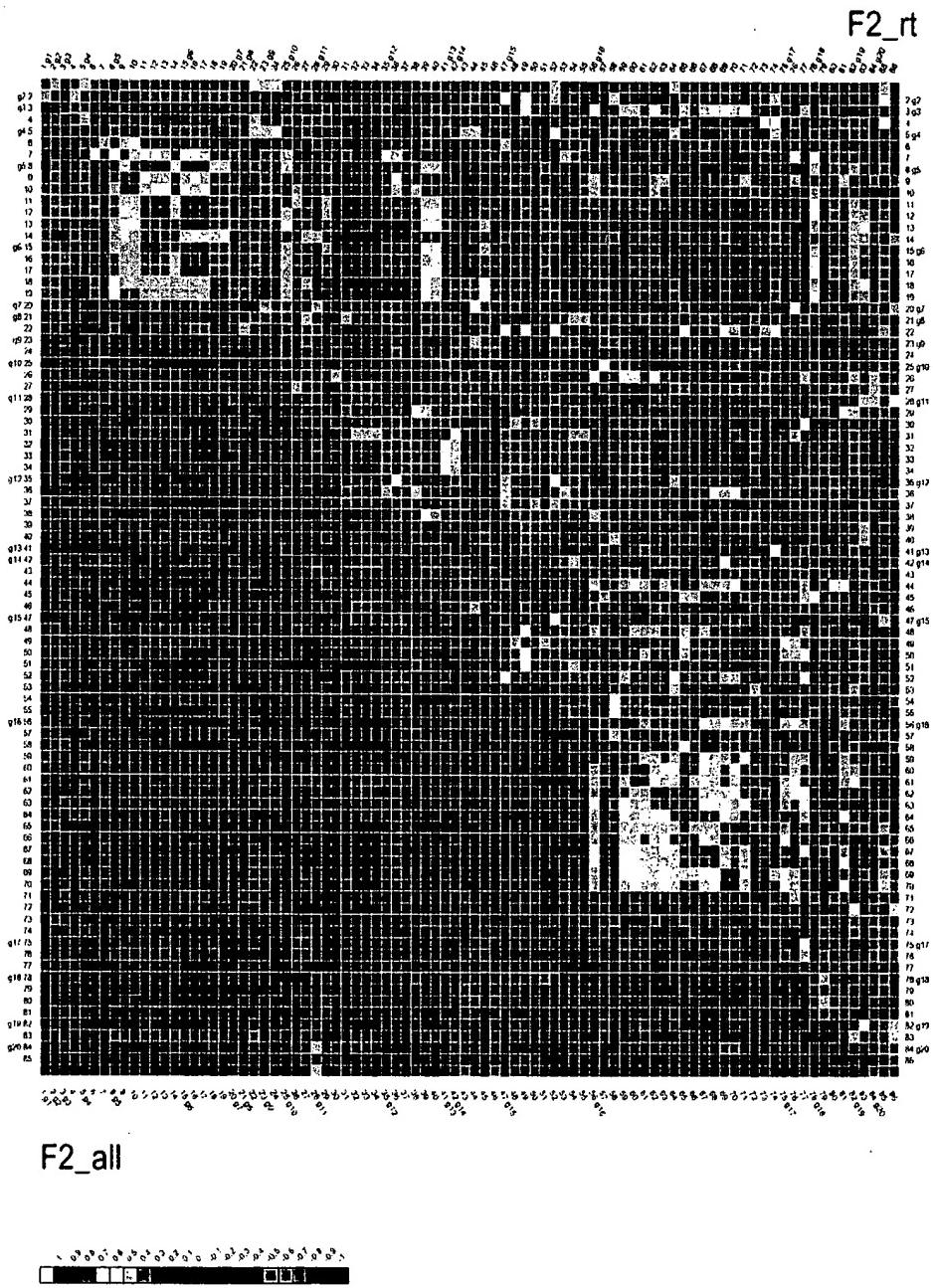


Figure 8A

F2 male genotype homozygote SS/SS at D10Mgh14 marker on chr 10

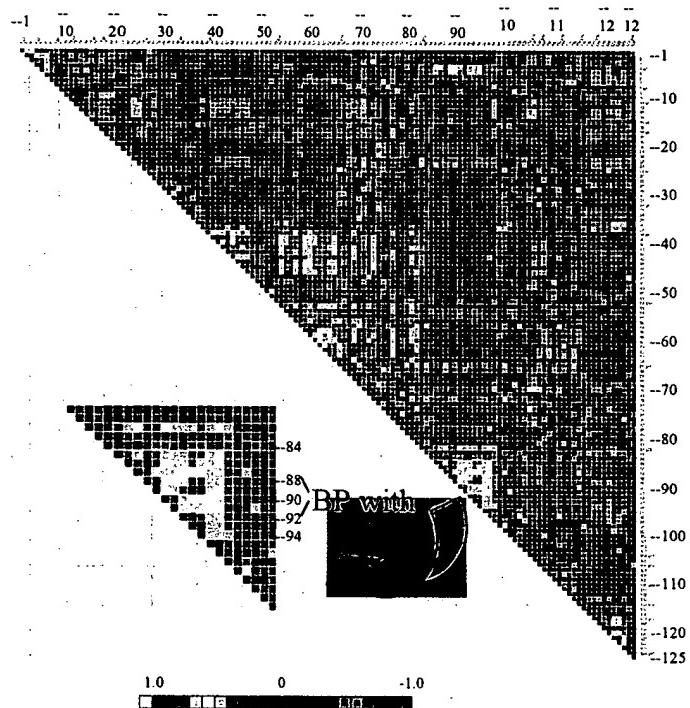


Figure 8B

F2 male genotype homozygote BN/BN at D10Mgh14 marker on chr 10

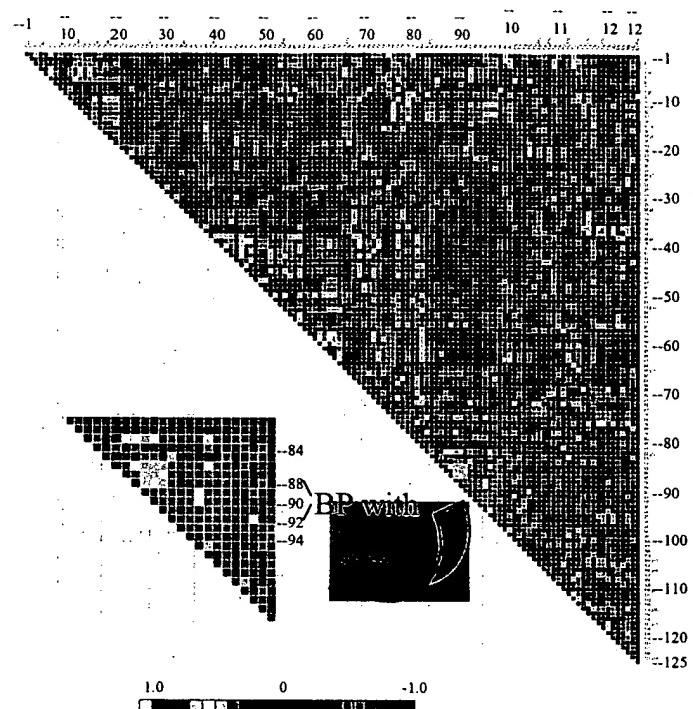


Figure 9

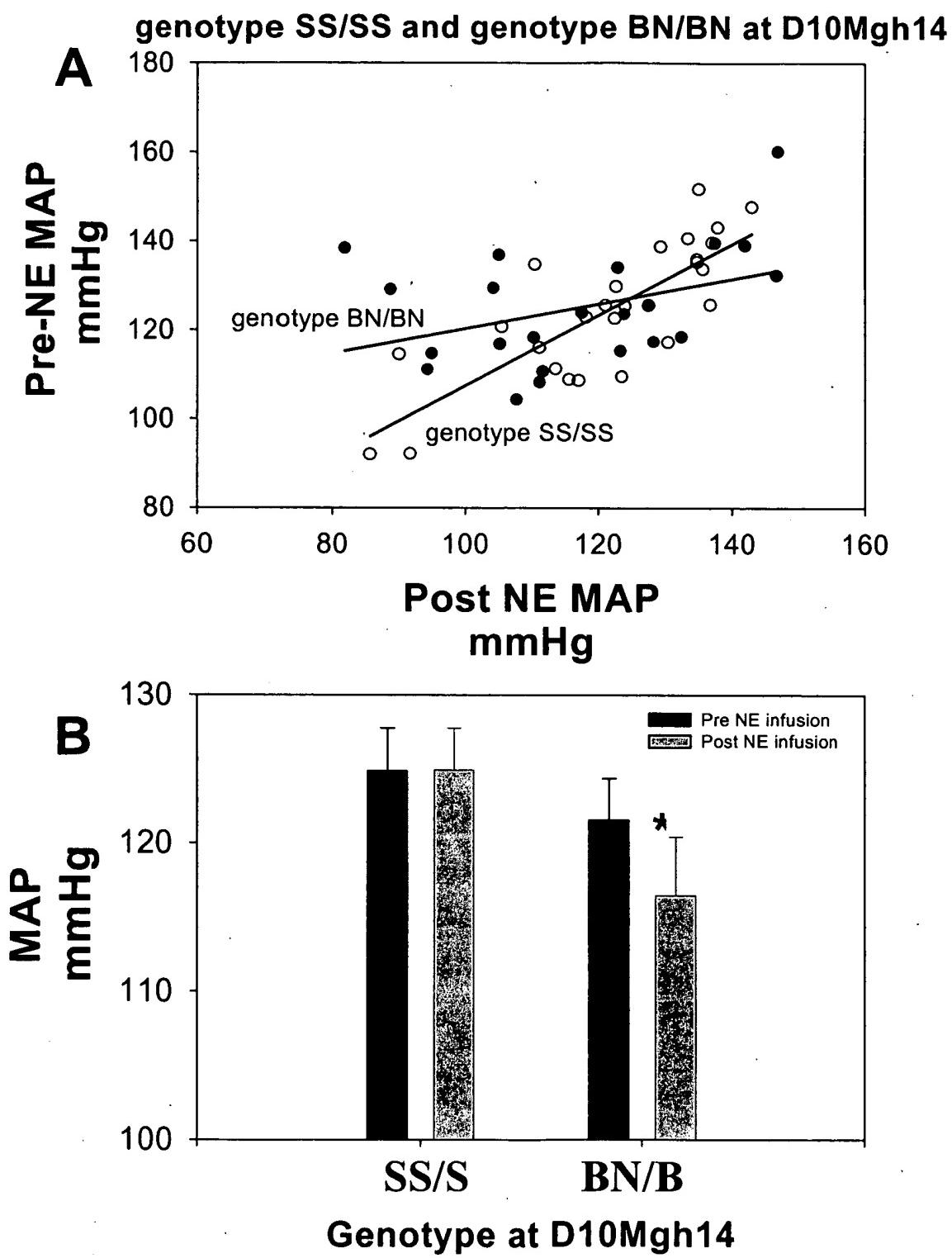


Figure 10: physiological profiles of French Canadian and African American hypertensive patients

